Motorcomm YT8511 Product Brief

The YT8511 is a highly integrated Ethernet transceiver that complies with 10BASE-Te,

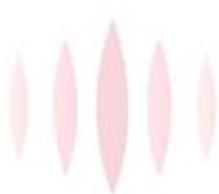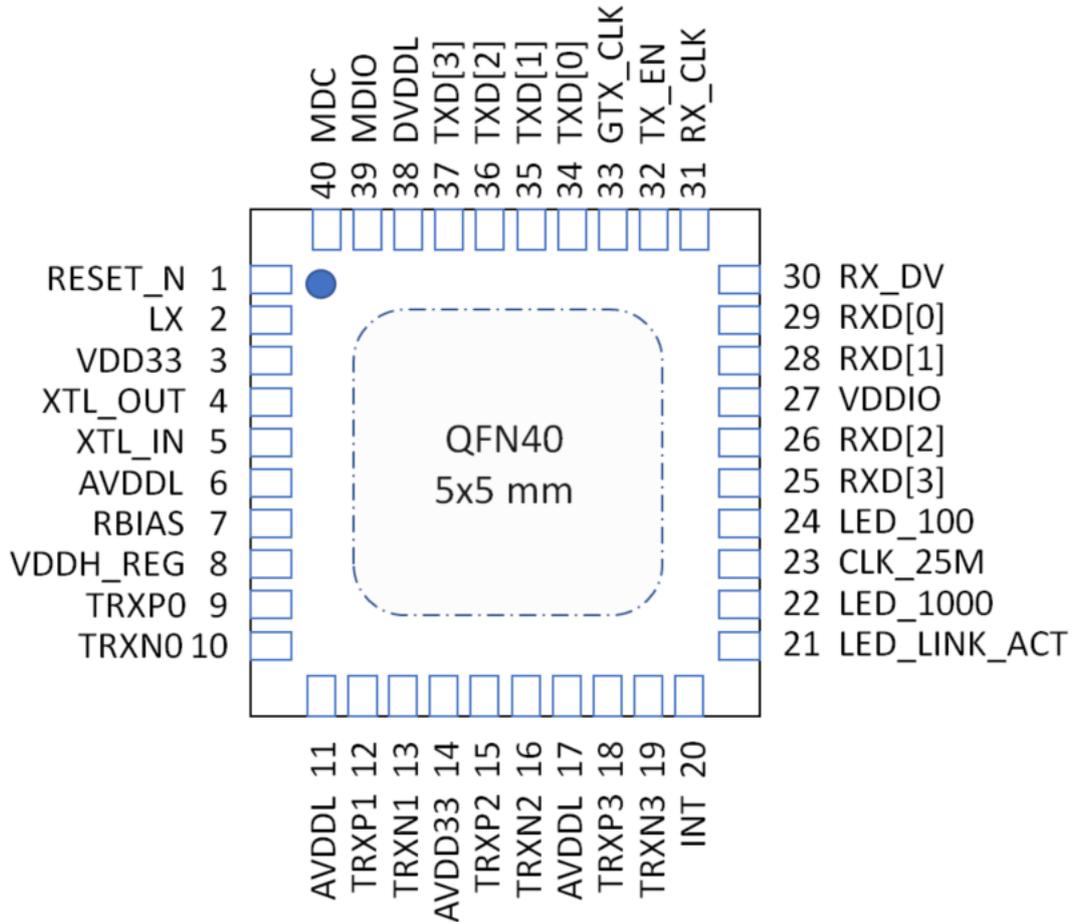100BASE-TX, and 1000BASE-T IEEE 802.3 standards.

Overview

YT8511 provides all the necessary physical layer functions to transmit and receive Ethernet
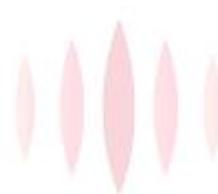
packets over CAT.5E UTP cable.

Based on cutting-edge DSP technology, combing adaptive equalizers, echo canceller,

phase-locked, ADCs, phase-locked loops, line drivers, encoders/decoders, echo cancelers and all

other required

support circuitry at a Gigabit data rate to achieve robust performance and exceed automotive

electromagnetic interference (EMI) requirements in severe environments with very low power

dissipation.

The YT8511 is designed to be fully compliant with RGMII interface specifications, allowing

compatibility with standard Ethernet media access controllers (MACs) and switch controllers. The

YT8511 delivers the most comprehensive technology solution required by industry operating
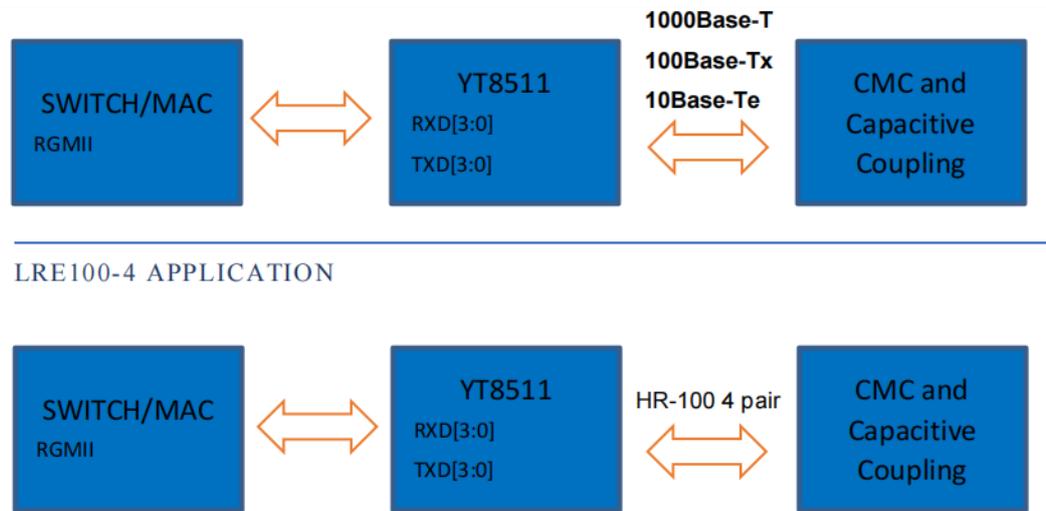
temperature

Pin Assignment

Target Applications

- HDTV
- Gaming machines
- IP Cameras
- Printers
- LED wall